



**Department of Energy
Office of Legacy Management**

September 10, 2008

MEMORANDUM FOR MICHAEL W. OWEN, DIRECTOR
 OFFICE OF LEGACY MANAGEMENT

FROM: TRACY RIBEIRO, ENVIRONMENTAL MANAGEMENT
 SYSTEM LEAD *TR*

SUBJECT: Approval of FY 2009 Environmental Management System (EMS)
 Goals and Initiatives

In accordance with the requirements of the DOE-LM *Environmental Management System Description*, the EMS goals and initiatives for FY 2009 are attached for your formal approval. The EMS Core Team drafted these goals after reviewing the project environmental aspects. The goals were finalized on August 7, 2008. The FY 2009 goals were presented to S.M. Stoller and DOE-LM management during the annual EMS Management Review on July 24 and August 07, respectively.

The EMS goals and initiatives align with DOE Order 450.1A, *Environmental Protection Program*; DOE Order 430.2B, *Departmental Energy, Renewable Energy and Transportation Management*; the Transformational Energy Action Management (TEAM) Initiative, and Executive Order 13423, *Strengthening Federal Environmental, Energy, and Transportation Management*.

Attachment

cc w/attachment:
R. Bush, DOE
File: ADM 30.10 (DOE)

Ribeiro\9-4-08 Owen EMS Memo.doc

2597 B 3/4 Road, Grand Junction, CO 81503

626 Cochran's Mill Road, P.O. Box 10940, Pittsburgh, PA 15236

11025 Dover St., Suite 1000, Westminster, CO 80021

955 Mound Road, Miamisburg, OH 45342

REPLY TO: Grand Junction Office

3600 Collins Ferry Road, Morgantown, WV 26505

1000 Independence Ave., S.W., Washington, DC 20585

10995 Hamilton-Cleves Highway, Harrison, OH 45030

232 Energy Way, N. Las Vegas, NV 89030

FY 2009 Environmental Management System Goals and Initiatives

| FY09 Goals and Initiatives | EMS Program Team # | Requirement |
|---|--------------------|---|
| FY09 Goals (G) | | |
| G-1 Achieve the 3% RE consumption in 2009 consistent with EO and DOE Order 430.2B requirements and objectives (purchase green utility power for those sites where available, or install RE energy system to replace needed line power to meet RE goal where technically and economically feasible). | 2 | EO 13423 2(b) ensure that (i) at least half of the statutorily required renewable energy consumed by the agency in a fiscal year comes from new renewable sources, and (ii) to the extent feasible, the agency implements renewable energy generation projects on agency property for agency use. |
| G-2 85% of all requisitions generated in FY09 and thereafter will be given green alternative consideration. | 4 | EO 13423 2(d) require in agency acquisitions of goods and services (i) use of sustainable environmental practices, including acquisition of biobased, environmentally preferable, energy-efficient, water-efficient, and recycled-content products, and (ii) use of paper of at least 30 percent post-consumer fiber content. |
| G-3 Conduct 10 Pollution Prevention Opportunity Assessments (PPOAs). | 5 | EO 13423 2(e) ensure that the agency (i) reduces the quantity of toxic and hazardous chemicals and materials acquired, used, or disposed of by the agency, and (ii) increases diversion of solid waste as appropriate, and (iii) maintains cost effective waste prevention and recycling programs in its facilities. |
| G-4 Achieve the 2% reduction in total consumption of petroleum products. | 7 | EO 13423 2(g) ensure that, if the agency operates a fleet of at least 20 motor vehicles, the agency, relative to agency baselines for fiscal year 2005, (i) reduces the fleet's total consumption of petroleum products by 2 percent annually through the end of fiscal year 2015, (ii) increases the total fuel consumption that is non-petroleum-based by 10 percent annually, and (iii) uses plug in hybrid (PIH) vehicles when PIH vehicles are commercially available at a cost reasonably comparable, on the basis of life-cycle cost, to non-PIH vehicles. |
| G-5 Enable Energy Star features on 100% of eligible computers and monitors. | 8 | EO 13423 2 (h) ensure that the agency (i) when acquiring an electronic product to meet its requirements, meets at least 95 percent of those requirements with an Electronic Product Environmental Assessment Tool (EPEAT)-registered electronic product, unless there is no EPEAT standard for such product, (ii) enables the Energy Star feature on agency computers and monitors, (iii) establishes and implements policies to extend the useful life of agency electronic equipment, and (iv) uses environmentally sound practices with respect to disposition of agency electronic equipment that has reached the end of its useful life. |

| FY09 Goals and Initiatives | EMS Program Team # | Requirement |
|--|--------------------|---|
| G-6 Implement activities that will lead to enhanced ecosystem conditions at one LM site. | 9 | <p>DOE O 450.1A Section 4c. Scope of the Environmental Management System.</p> <p>The environmental management system must encompass the environmental aspects of site operations and activities, including environmental aspects of energy and transportation functions, and it must promote the long-term stewardship of a site's natural and cultural resources throughout its design and construction, operation, closure, and post-closure life cycle.</p> <p>DOE Policy 430.1 states that it is DOE's policy "to manage all of its land and facilities as valuable national resources" and also states that DOE's stewardship "will be based on the principles of ecosystem management and sustainable development."</p> |
| FY09 Initiatives (I) | | |
| I-1 Establish metering and baseline for those DOE-operated facilities that have significant energy use. | 1 | <p>EO 13423 2(a) improve energy efficiency and reduce greenhouse gas emissions of the agency, through reduction of energy intensity by</p> <p>(i) 3 percent annually through the end of fiscal year 2015, or</p> <p>(ii) 30 percent by the end of fiscal year 2015, relative to the baseline of the agency's energy use in fiscal year 2003.</p> |
| I-2 Establish potable water metering at DOE-LM Goal Metrics Program Sites. | 3 | <p>EO 13423 2(c) beginning in FY 2008, reduce water consumption intensity, relative to the baseline of the agency's water consumption in fiscal year 2007, through life-cycle cost-effective measures by</p> <p>(i) 2 percent annually through the end of fiscal year 2015 or</p> <p>(ii) 16 percent by the end of fiscal year 2015.</p> |
| I-3 Identify buildings to meet the 15 percent goal in Executive Order 13423 dated January 24, 2007 (E.O. 13423) section 2(f)(ii) for incorporating the sustainable practices of the Guiding Principles for energy and water and related principles into the Department's capital asset building inventory. | 6 | <p>EO 13423 (f) ensure that</p> <p>(i) new construction and major renovation of agency buildings comply with the Guiding Principles for Federal Leadership in High Performance and Sustainable Buildings set forth in the Federal Leadership in High Performance and Sustainable Buildings Memorandum of Understanding (2006), and</p> <p>(ii) 15 percent of the existing Federal capital asset building inventory of the agency as of the end of fiscal year 2015 incorporates the sustainable practices in the Guiding Principles.</p> |

Approvals:

Signature: Joseph A. Legare Date 9-4-08

Joseph A. Legare
Program Manager
S.M. Stoller

Signature: Michael W. Owen Date 9/9/08

Michael W. Owen
Director
U.S. Department of Energy Office of Legacy Management